



UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for nonprovisional applications under 37 CFR § 1.53(b))</small>		Attorney Docket No. UBAT1420	
		First Inventor or Application Identifier Stephen F. Smith, et al.	
		Title MULTIDIMENSIONAL SIGNAL MODULATION AND/OR DEMODULATION FOR DATA COMMUNICATIONS	U.S. PTO 10726446 22278 120303
		Express Mail Label No. EV338102577US	
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal for FY 2003 <small>(Submit an original and a duplicate for fee processing)</small>		6. <input type="checkbox"/> Microfiche Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Specification [Total Pages] 67 <small>(preferred arrangement set forth below)</small> <input checked="" type="checkbox"/> Descriptive Title of the Invention <input checked="" type="checkbox"/> Cross References to Related Applications <input checked="" type="checkbox"/> Background of the Invention <input checked="" type="checkbox"/> Summary of the Invention <input checked="" type="checkbox"/> Brief Description of the Drawings (if filed) <input checked="" type="checkbox"/> Description of Preferred Embodiments <input checked="" type="checkbox"/> References <input checked="" type="checkbox"/> Claim(s) <input checked="" type="checkbox"/> Abstract of the Disclosure		7. Nucleotide and Amino Acid Sequence Submission <small>(if applicable, all necessary)</small> a. <input type="checkbox"/> Computer-Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies	
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets] 13		ACCOMPANYING APPLICATION PARTS	
4. <input type="checkbox"/> Oath or Declaration [Total Pages] a. <input type="checkbox"/> Unexecuted (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)		8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard 14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, Status still proper and desired 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input checked="" type="checkbox"/> Other: Certificate of Mailing; Filing Fee	
5. <input type="checkbox"/> Incorporation By Reference (useable if box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.			
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-In-Part (CIP) of prior Application No.: _____ Prior application information: Examiner _____ Group / Art Unit _____			
<input type="checkbox"/> Claims the benefit of Provisional Application No. _____			
CORRESPONDENCE ADDRESS:			
Gray Cary Ware & Freidenrich LLP 1221 South MoPac Expressway, Suite 400 Austin, TX 78746-6875 Tel. (512) 457-7233 Fax. (512) 457-7001		Customer No. : 25094	

TYPED or PRINTED NAME John J. BrucknerREGISTRATION NO. **35,816**

SIGNATURE _____

DATE: **December 3, 2003**



13146 U.S. PTO

PTO/SB/17 (11-01)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003		Complete if Known	
		Application Number	Unknown
Effective 01/01/2003. Patent fees are subject to annual revision.		Filing Date	December 3, 2003
		First Named Inventor	Stephen F. Smith, et al.
		Examiner Name	Unknown
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	Unknown
TOTAL AMOUNT OF PAYMENT	(\$ 770.00)	Attorney Docket No.	UBAT1420

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input checked="" type="checkbox"/> Check	<input type="checkbox"/> Credit Card		
<input type="checkbox"/> Money Order	<input type="checkbox"/> Other		
<input type="checkbox"/> None			
Deposit Account Number	50-0456		
Deposit Account Name	Gray Cary Ware & Freidenrich LLP		
The Commissioner is authorized to: (check all that apply)			
<input type="checkbox"/> Charge (fees) indicated below.		<input checked="" type="checkbox"/> Credit any overpayments	
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application			
<input type="checkbox"/> Charge fee(s) indicated below, except for filing fee to the above-identified deposit account.			
FEE CALCULATION		3. ADDITIONAL FEES	
1. BASIC FILING FEE			
Large Entity Small Entity		Large Entity Small Entity	
Fee Code Fee (\$)		Fee Code Fee (\$)	
1001 770		2051 65	
1002 330		2052 25	
1003 520		1053 130	
1004 750		1812 2,520	
1005 160		1804 920*	
2001 375		1805 1,840*	
2002 165		1251 110	
2003 260		1252 410	
2004 375		1253 930	
2005 80		1254 1,450	
Fee Description		2251 55	
Utility filing fee		2252 205	
Design filing fee		2253 465	
Plant filing fee		2254 725	
Reissue filing fee		2255 985	
Provisional filing fee		2401 160	
Fee Paid		2402 160	
770.00		2403 140	
SUBTOTAL (1) (\$ 770.00)		1451 1,510	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1452 110	
Total Claims 20 -20** = 0 X Fee from below = Fee Paid 0		2452 55	
Independent Claims 2 -3** = 0 X Fee from below = Fee Paid 0		2453 650	
Multiple Dependent Claims X Fee from below = Fee Paid 0		2501 650	
Large Entity Small Entity		2502 235	
Fee Code Fee (\$)		2503 315	
1202 18		1460 130	
1201 84		1807 50	
1203 280		1806 180	
1204 84		8021 40	
1205 18		1809 750	
2202 9		1810 750	
2201 42		1801 750	
2203 140		1802 900	
2204 42		Other fee (specify)	
2205 9		SUBTOTAL (3) (\$)	
Fee Description			
Claims in excess of 20			
Independent claims in excess of 3			
Multiple dependent claim, if not paid			
** Reissue independent claims over original patent			
** Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2) (\$ 0.00)			
**or number previously paid, if greater; For Reissues, see above			

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	John J. Bruckner	Registration No. (Attorney/Agent)	35,816
Signature		Telephone	512-457-7233
		Date	Dec. 3, 2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Gray Cary\AU4118508.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	
CERTIFICATE OF MAILING BY "EXPRESS MAIL"	Atty Docket No. (Optional) UBAT1420
Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:	In the Application of: Stephen F. Smith, et al.
	Date Filed: December 3, 2003
	Title: MULTIDIMENSIONAL SIGNAL MODULATION AND/OR DEMODULATION FOR DATA COMMUNICATIONS

I hereby certify that the attached Utility Patent Application Transmittal Form, Fee Transmittal, Utility Patent Application, thirteen (13) pages of Drawings, Check and Postcard are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. **EV338102577US**, on **December 3, 2003** addressed to: **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

Gray Cary Ware & Freidenrich LLP


 Laura M. McGuire